

PERFORMANCE**Processor**

Intel® Core Ultra 9 285H, 16C (6P + 8E + 2LPE) / 16T, Max Turbo up to 5.4GHz, 24MB Intel Smart Cache

AI PC Category

AI-Ready Workstations

NPU

Integrated Intel® AI Boost, up to 13 TOPS

Graphics

NVIDIA® RTX PRO 1000 Blackwell Generation 8GB GDDR7 Laptop GPU

Chipset

Intel® SoC Platform

Memory

1x 32GB SODIMM DDR5-5600 Non-ECC

Memory Slots

Two DDR5 SODIMM / CSODIMM slots, dual-channel capable

Max Memory

Up to 96GB (2x 48GB DDR5 CSODIMM)

Storage

1TB SSD M.2 2280 PCIe® 4.0x4 NVMe® Opal 2.0

Storage Slot

Two M.2 2280 PCIe® 4.0 x4 slots

Max Storage Support^[1]

Up to two M.2 2280 Gen 5 Performance SSD; up to 4TB total, 2TB each

RAID Preset

None

Card Reader

SD Express 7.0 Card Reader

Audio Chip

High Definition (HD) Audio, Realtek® ALC3287 codec

Speakers

Stereo speakers, 2W x2, Dolby Audio™

Microphone

2x, Array

Camera

5.0MP + IR with Privacy Shutter and Human Presence Detection

Battery

90Wh

Power Adapter

140W USB-C® GaN (3-pin)

DESIGN**Display**

16" WUXGA (1920x1200) IPS 400nits Anti-glare, 45% NTSC, 60Hz, TÜV Low Blue Light

Screen-to-Body Ratio

87.7%

Color Calibration

AICCP Color Calibration

Pen

Pen Not Supported

Keyboard

Backlit, English

Dimensions (WxDxH)^[2]

361.5 x 248.6 x 12.8 / 19.55 (front / rear), 26.3 (maximum) mm 14.23 x 9.79 x 0.50 / 0.77 (front / rear), 1.04 (maximum) inches

Weight^[3]

Around 2.1 kg (4.6 lbs)

Case Color

Black

Case Material

Aluminium (Top), PC-ABS (Bottom)

SOFTWARE**Operating System**

Windows® 11 Pro, English (US) / English (UK)

Bundled Software

Lenovo® AI Now + Intel® Connectivity Performance Suite

CONNECTIVITY**WLAN + Bluetooth**

Intel® Wi-Fi® 7 BE201, 802.11be 2x2 + BT5.4, vPro®^[4]

WWAN

WWAN Upgradable to 5G

Ethernet

100/1000M (RJ-45), vPro®

Standard Ports

- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1)
- 1x USB-A (USB 5Gbps / USB 3.2 Gen 1), Always On
- 2x Thunderbolt™ 4, with USB PD 3.1, 140W input / 15W output
- 1x HDMI® 2.1, up to 8K/60Hz
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Ethernet (GbE RJ-45)
- 1x SD Express 7.0 card reader
- 1x Security keyhole

Optional Ports (configured)

1x Nano-SIM Card Slot

Docking

Various docking solutions supported via Thunderbolt™ or USB-C®. For more compatible docking solutions, please visit [Docking for ThinkPad P16v Gen 3 \(Intel\)](#)

SECURITY & PRIVACY**Security Chip**

Discrete TPM 2.0 Enabled

Physical Locks

Kensington® Nano Security Slot, 2.5 x 6 mm

Fingerprint Reader

Touch Style, Match-on-Chip, Integrated in Power Button

Other Security

- Bottom cover tamper detection
- Camera privacy shutter
- Ultrasonic Human Presence Detection for IR camera
- IR camera for Windows® Hello (facial recognition)

MANAGEABILITY**System Management**

Intel® vPro® Enterprise

SERVICE**Base Warranty**

3-year, Courier or Carry-in with 1-year Battery

Included Upgrade

3Y Premier Support Upgrade from 3Y Courier/Carry-in

ACCESSORIES**CERTIFICATIONS****ISV Certifications**

Please visit [ISV certifications for Lenovo® Workstations](#)

Green Certifications

- ENERGY STAR® 9.0
- EPEAT™ Gold Registered
- RoHS compliant
- TCO Certified, generation 10

Mil-Spec Test

MIL-STD-810H military test passed

Other Certifications

TÜV Rheinland® Low Blue Light

MODEL

TopSeller : Yes

EAN / UPC / JAN: 199272898542

Announce Date: 2025-09-05

End of Support : 2032-03-28

- Please refer to the official [Lenovo store website](#) or contact a local Lenovo sales representative or authorized business partner for current inventory and purchase options.
- Lenovo reserves the right to change specifications without notice. To see more note information, please access the [web page](#).

Premier Support - A direct 24x7x365 line to our most elite technicians.



Advanced technical support, 24x7x365, in more than 100 markets



Comprehensive hardware & OEM software support



Single point of contact for simplified end-to-end case management

Accidental Damage Protection - Protection of your PC from the unexpected.

Experience shows that a significant portion of devices may be damaged (and not covered under warranty) in the first three years. Lenovo's Accidental Damage Protection service covers accidents beyond the system warranty such as drops, spills, bumps and even electrical surges. Make sure your new device has maximum protection, avoid unplanned costs and get peace of mind.

Base Warranty - Included with the systems you purchase, default 1- or 3-year coverage window.

Warranty Extensions & Upgrades - Service and protection that's right for your circumstances.

- Pick Up & Return Courier
- Onsite Support
- Technician Installed Customer
- Replaceable Unit Service
- International Warranty Upgrade

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Recommended Accessories



Lenovo Dual-Mode Wireless ANC Headset
6550 (USB-C, Teams) 4XD1S19778



Lenovo 15.6 Laptop Everyday Backpack
B510-ROW 4X41U80414

Please click [here](#) to view the full list of accessories.

Recommended Services

BEST

4Y Premier Support upgrade from 3Y Premier Support (5WS1H31743)

Lenovo

PSREF
Product Specifications
Reference